SOFTWARE REQUIREMENT SPECIFICATION OF MIETEN



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Software Requirements Specification for MIETEN

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MIETEN

1. **INTRODUCTION**

**MIETEN,** the Room renting Management System is the technology used to support Online Renting. This website is developed to ensure easy and free access to people and owners across the certain place for proper and perfect room.

* 1. PURPOSE: This Software Requirement Specification (SRS) specifies the requirements of the Renting a room(MIETEN) which will be used by the people around a specific area and the owners. This document will be useful for the users and system designers of this project for future modifications.
  2. SCOPE: The name of our product will be “MIETEN” and its function is to control the interaction between people and owners of some rental homes. This product will provide the facility of performing all the basic teaching methodology. The targeted user groups are the people who will be the main benefit bearer.
  3. INTENDED AUDIENCE AND DOCUMENT OVERVIEW:

People: The people will be able to see the rooms near them in a specific place.

Developers: Project developers have an advantage of quickly understandingthemethodology enabled and personalizing the product.

Policy Makers: The senior policy makers can view this document as an analysis tool to develop further renting products.

The Developers would suggest clients to go through the requirement section thoroughly before using MIETEN. Policy Makers and Developers can utilize the documentation as a resource in developing the project to a new product.

1. **PRODUCT DESCRIPTION**
   1. PRODUCT PERSPECTIVE
   2. PRODUCT FUNCTIONALITY:MIETEN should be running the client system so as to give the interface between the owners and people. The server (Owners) will broadcast the rooms availability onto the site for people to access.
   3. USERS AND CHARACTERISTICS:

Administrators (Owners): They are the core users and are able to add new users (people) to the system and permit them to access the people level features of the system.

Client Users (People): They login and get access to the MIETEN at client level.

* 1. OPERATING ENVIRONMENT:

|  |  |  |
| --- | --- | --- |
| Particulars | Client System | Server System |
| Operating System | Windows XP/2000, Linux | Windows XP/2000, Linux  WhatsApp Image 2021-12-13 at 10.25.03 PM.jpeg |
|  |  |  |
| Processor | Pentium 4, 1.2 GHz | Pentium 4, 2GHz |
| Hard disk | 40 GB | 160 GB |
| RAM | 512 MB | 2 GB |
| Webcam | – | 2.1 MegaPixel |
| Internet connection | 256 Kbps | 1 Mbps |

1. **SPECIFIC REQUIREMENTS**

3.1FUNCTIONAL REQUIREMENTS:

**Registration:** If the user is not registered, then first the user must be registered using appropriate credentials.

**Login:** If the user is registered then he/she will be logged in by entering appropriate credentials. The user must be able to view the Rooms near a certain place.

**Location:** User observe the place that should be near and convenient to him . User checks that the availability of emergency sources(medical shop ,hospital , groceries).

**Rooms:** User can get different types of options in which they can choose  the type of room .In that there can be like 1BHK,2BHK,3BHK,1sharing,2sharing,3sharing,with AC , without AC.

**Logout:** The user must log out from the system when he wants to.

* 1. NON-FUNCTIONAL REQUIREMENTS:
* **Security:** The system needs to keep a log of client’s information of registration such as IP address and time for security purpose. Password should encrypt and store in the database.
* **Usability:** The system shall allow the users to access the system from the Internet using HTML or its derivative technologies. The system uses a web browser as an interface. Since all users are familiar with the general usage of browsers, no specific training is required. The system is user friendly and self-explanatory.
* **Reliability:** The system has to be very reliable due to the importance of data and the damages incorrect or incomplete data can do.

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1. **EXTERNAL INTERFACE REQUIREMENTS**
   1. USER INTERFACES:

Login Screen: This is a security feature inbuilt in the software for the verification of authenticated user over intruders.

Owner Account: This enables the user to perform the owner’s level activities like posting new photos, giving updates.

User Account: This enables the user to view the rooms posted by the owner. Besides this he/she can post queries related to the room matter.

* 1. HARDWARE REQUIREMENTS:

A processor of Pentium 4 ,1.2GHz or faster

4GB of RAM (8GB of RAM recommended)

A high-speed Internet connection(1.5 Mbps upload and download required; 5 Mbps or better preferred)

* 1. SOFTWARE REQUIREMENTS:

**Operating System**

Microsoft Windows 7 or newer

Apple macOS 10.14 or newer

**Web browser**

Google Chrome, the latest version, is recommended

Antivirus software, updated regularly, is strongly recommended

1. **OTHER NON-FUNCTIONAL REQUIREMENTS**
   1. PERFORMANCE REQUIREMENTS: The important aspects of MIETEN is time constrain. This operates in real time and hence should be performed in minimum requirements.The accountability is a vital feature and this could only be assured if the system is working in full capability.
   2. SAFETY REQUIREMENTS: Reliable Internet is the backbone of the website. An uninterrupted power supply is always recommended.
   3. SECURITY REQUIREMENTS: The security system features from having a login for all the users to access the website. The login details will be used in the system also. So, the chances of the software getting intruded are very less.
2. **OTHER REQUIREMENTS**
   1. GLOSSARY
   2. ANALYSIS